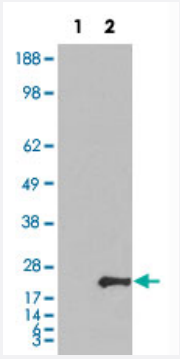
GSTP1 monoclonal antibody, clone 3F2C2

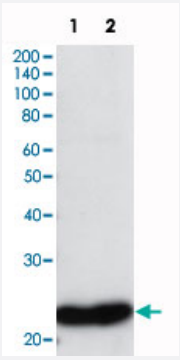
Catalog # MAB10675 Size 100 uL

Applications



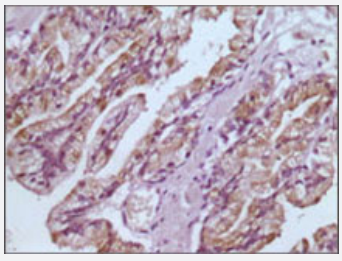
Western Blot (Transfected lysate)

Western blot analysis using GSTP1 monoclonal antibody, clone 3F2C2 (Cat # MAB10675) against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY GSTP1 cDNA (2) .



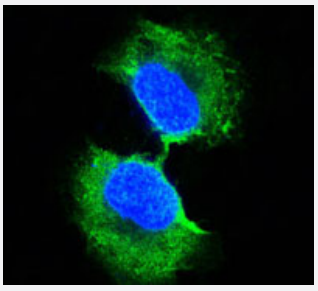
Western Blot

Western blot analysis using GSTP1 monoclonal antibody, clone 3F2C2 (Cat # MAB10675) against PC-3 cell lysate (1) and human cerebellum tissue lysate (2) .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

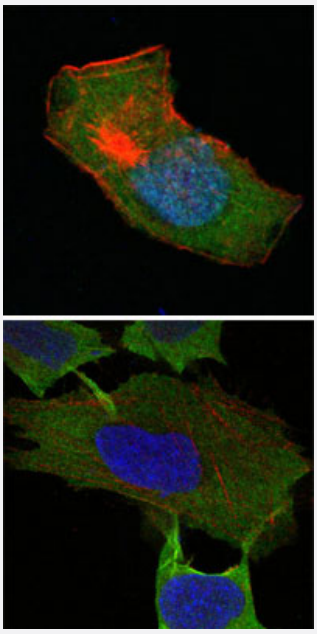
Immunohistochemical analysis of paraffin-embedded human prostate tissues using GSTP1 monoclonal antibody, clone 3F2C2 (Cat # MAB10675) with DAB staining.



Immunofluorescence

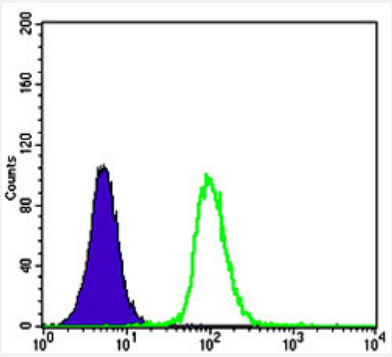
Confocal immunofluorescence analysis of PC-3 cells using GSTP1 monoclonal antibody, clone 3F2C2 (Cat # MAB10675) (green) . Blue: DRAQ5 fluorescent DNA dye.

Copyright © 2023 Abnova Corporation. All Rights Reserved.



Immunofluorescence

Confocal immunofluorescence analysis of HepG2 (upper) and L-02 (bottom) cells using GSTP1 monoclonal antibody, clone 3F2C2 (Cat # MAB10675) (green) . Red: Actin filamentshave been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Flow Cytometry

Flow cytometric analysis of K-562 cells using GSTP1 monoclonal antibody, clone 3F2C2 (Cat # MAB10675) (green) and negative control (purple).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant GSTP1.
Immunogen	Recombinant protein corresponding to human GSTP1.
Host	Mouse
Theoretical MW (kDa)	23
Reactivity	Human
Form	Liquid
Isotype	IgG1

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- ### Western Blot (Transfected lysate)

  Western blot analysis using GSTP1 monoclonal antibody, clone 3F2C2 (Cat # MAB10675) against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY GSTP1 cDNA (2) .

- ### Western Blot

  Western blot analysis using GSTP1 monoclonal antibody, clone 3F2C2 (Cat # MAB10675) against PC-3 cell lysate (1) and human cerebellum tissue lysate (2) .

- ### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human prostate tissues using GSTP1 monoclonal antibody, clone 3F2C2 (Cat # MAB10675) with DAB staining.

- ### Immunofluorescence

  Confocal immunofluorescence analysis of PC-3 cells using GSTP1 monoclonal antibody, clone 3F2C2 (Cat # MAB10675) (green) . Blue: DRAQ5 fluorescent DNA dye.

- ### Immunofluorescence

  Confocal immunofluorescence analysis of HepG2 (upper) and L-02 (bottom) cells using GSTP1 monoclonal antibody, clone 3F2C2 (Cat # MAB10675) (green) . Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

- ### Enzyme-linked Immunoabsorbent Assay

- ### Flow Cytometry

  Flow cytometric analysis of K-562 cells using GSTP1 monoclonal antibody, clone 3F2C2 (Cat # MAB10675) (green) and negative control (purple).

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Info — GSTP1

Entrez GeneID	2950
Gene Name	GSTP1
Gene Alias	DFN7, FAEES3, GST3, PI
Gene Description	glutathione S-transferase pi 1
Omim ID	134660
Gene Ontology	Hyperlink
Gene Summary	Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases. [provided by RefSeq
Other Designations	OTTHUMP00000174659|deafness, X-linked 7|fatty acid ethyl ester synthase III|glutathione transferase

Pathway

- Drug metabolism - cytochrome P450
- Glutathione metabolism
- Metabolism of xenobiotics by cytochrome P450
- Pathways in cancer
- Prostate cancer

Disease

- Abortion
- Absenteeism
- Acquired Immunodeficiency Syndrome
- Acute Disease

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Acute Lung Injury
- Adenocarcinoma
- Adenoma
- Adenomatous Polyposis Coli
- Airway Remodeling
- Alcoholism
- alpha 1-Antitrypsin Deficiency
- Alpha-1-antitrypsin deficiency
- Altitude Sickness
- Alzheimer disease
- Amphetamine-Related Disorders
- Anemia
- Aneuploidy
- Anoxia
- Arsenic Poisoning
- Arthritis
- Asbestosis
- Ascorbic Acid Deficiency
- Asthma
- Astrocytoma
- Atherosclerosis
- Attention
- Attention Deficit Disorder with Hyperactivity
- Auditory Threshold
- Autistic Disorder
- Balkan Nephropathy

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Barrett Esophagus
- Birth Weight
- Bone Marrow Diseases
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Bronchitis
- Bronchopulmonary Dysplasia
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Carotid Artery Diseases
- Cell Transformation
- Central Nervous System Neoplasms
- Cerebrovascular Accident
- Chromosome Aberrations
- Chromosome Deletion
- Chromosome Disorders
- Chronic Disease
- Cleft Lip
- Cleft Palate
- Cocaine-Related Disorders
- Cognition
- Cognition Disorders
- Colitis

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Congenital Abnormalities
- Connective Tissue Diseases
- Coronary Artery Disease
- Coronary Disease
- Crohn Disease
- Cystic fibrosis
- Delayed Graft Function
- Dermatitis
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies
- Diabetic Retinopathy
- Disease Progression
- Disease Susceptibility
- DNA Damage
- Down Syndrome
- Drug Eruptions
- Drug Hypersensitivity
- Drug Toxicity
- Drug-Induced Liver Injury
- Duodenal Neoplasms
- Dyskinesia

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Dysmenorrhea
- Dyspepsia
- Edema
- Ehlers-Danlos Syndrome
- Emphysema
- Endometrial Neoplasms
- Endometriosis
- Ependymoma
- Esophageal Atresia
- Esophageal Neoplasms
- Esophagitis
- Essential tremor
- Exfoliation Syndrome
- Eye Diseases
- Fanconi Anemia
- Fatty Liver
- Fetal Diseases
- Fibrocystic Breast Disease
- Food Hypersensitivity
- Gallbladder Neoplasms
- Gallstones
- Gastritis
- Gastroesophageal Reflux
- Gastrointestinal Neoplasms
- Genetic Predisposition to Disease
- Genital Diseases

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Germinoma
- Glaucoma
- Glioma
- Graft vs Host Disease
- Graves Disease
- Hamartoma
- Head and Neck Neoplasms
- Hearing Loss
- Helicobacter Infections
- Hematologic Diseases
- Hematologic Neoplasms
- Hemochromatosis
- Hemoglobinopathies
- Hepatic Veno-Occlusive Disease
- Hepatitis
- Hepatitis B
- Hepatitis C
- Hereditary hemochromatosis
- HIV Seropositivity
- Hodgkin Disease
- Hypercapnia
- Hypersensitivity
- Hypertension
- Infant
- Infection

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Infertility
- Inflammation
- Inflammatory Bowel Diseases
- Keratosis
- Kidney Diseases
- Kidney Failure
- Kidney Neoplasms
- Laryngeal Neoplasms
- Leukemia
- Leukopenia
- Leukoplakia
- Liver Cirrhosis
- Liver Diseases
- Liver Neoplasms
- Lung carcinoma
- Lung Diseases
- Lung Neoplasms
- Lupus Erythematosus
- Lymphatic Metastasis
- Lymphoma
- Macular Degeneration
- Malaria
- Malignant melanoma
- Melanoma
- Meningioma
- Mental Disorders
- Mesothelioma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Metabolic Syndrome X
- Metaplasia
- Micronuclei
- Migraine Disorders
- Motor Neuron Disease
- Mouth Neoplasms
- Multiple Chemical Sensitivity
- Multiple Myeloma
- Musculoskeletal Diseases
- Myelodysplastic Syndromes
- Myocardial Infarction
- Nasal Polyps
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neoplastic Syndromes
- Nephrotic Syndrome
- Nervous System Diseases
- Neuroblastoma
- Neuroma
- Neuropsychological Tests
- Neurotoxicity Syndromes
- Neutropenia
- Obesity
- Obstetric Labor

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Occupational Diseases
- Oligodendroglioma
- Oropharyngeal Neoplasms
- Osteoarthritis
- Osteoporosis
- Osteosarcoma
- Otorhinolaryngologic Neoplasms
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Pancreatitis
- Papillomavirus Infections
- Parkinson disease
- Peptic Ulcer
- Peripheral Nervous System Diseases
- Pharyngeal Neoplasms
- Photosensitivity Disorders
- Pleural Neoplasms
- Pneumoconiosis
- Pneumonia
- Poisoning
- Postoperative Complications
- Precancerous Conditions
- Pre-Eclampsia

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Pregnancy Complications
- Premature Birth
- Prenatal Exposure Delayed Effects
- Presbycusis
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Protein-Energy Malnutrition
- Pseudomonas Infections
- Psychiatric Status Rating Scales
- Psychometrics
- Psychoses
- Pulmonary Disease
- Pulmonary Emphysema
- Reaction Time
- Rectal Neoplasms
- Recurrence
- Respiration Disorders
- Respiratory Distress Syndrome
- Respiratory Hypersensitivity
- Respiratory Sounds
- Respiratory Tract Diseases
- Respiratory Tract Infections
- Rhinitis
- Rosacea
- Roseolovirus Infections

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Sarcoidosis
- Schizophrenia
- Sensation Disorders
- Silicosis
- Skin Diseases
- Skin Neoplasms
- Stomach Neoplasms
- Substance-Related Disorders
- Testicular Neoplasms
- Thrombocytopenia
- Thrombophilia
- Thyroid Neoplasms
- Tobacco Use Disorder
- Translocation
- Trisomy
- Urinary Bladder Neoplasms
- Urologic Neoplasms
- Uterine Cervical Neoplasms
- Vestibular Diseases

Copyright © 2023 Abnova Corporation. All Rights Reserved.